

To: Robyn Kiefer[Robyn.V.Kiefer@usace.army.mil]
From: Vann, Bradley
Sent: Mon 6/8/2015 9:01:39 PM
Subject: Fwd: Historical Radiation exposure to residents and workers at West Lake

Just an FYI

Sent from my iPhone

Begin forwarded message:

From: "Harvey Ferdman" <HarveyFerdman@aol.com>
Date: June 7, 2015 at 2:41:39 PM CDT
To: "Vann, Bradley" <vann.bradley@epa.gov>
Subject: FW: Historical Radiation exposure to residents and workers at West Lake

Brad,

I noticed that you were left off the email chain below ... Dawn said it was an oversight and asked me to forward this to you.

Regards,
Harvey

Harvey Ferdman

Policy Advisor to

Missouri State Representative Bill Otto, District 70

St. Louis, MO 63017

314-469-0595

314-761-5100 (cell)

From: Harvey Ferdman [<mailto:HarveyFerdman@aol.com>]

Sent: Sunday, June 07, 2015 2:29 PM

To: 'Dawn Chapman'; 'Khan, Faisal'; 'SStenger@stlouisco.com'; 'Karen Nickel'; 'Bill Otto'; 'Page, Sam'; 'Bond, Patrick (McCaskill)'; 'Hoskins, Jennifer (Blunt)'; 'Magallanes, Downey (Blunt)'; 'Meg B'; 'Lois Gibbs'

Subject: RE: Historical Radiation exposure to residents and workers at West Lake

Very informative Dawn! I hope this assists our government in protecting us.

One clarification regarding the Ford Property and the piles that appear to have vanished: they appear to still be there. Republic purchased the property they are on and moved the fence line out to include them. This area is now referred to as the buffer zone. Clearly, a chain link fence did not address the concerns raised by Republic's own consultants about radiation leaking into the surrounding community via runoff and airborne.

Harvey Ferdman

Policy Advisor to

Missouri State Representative Bill Otto, District 70

St. Louis, MO 63017

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From: Dawn Chapman [<mailto:dmcteacher@gmail.com>]

Sent: Sunday, June 07, 2015 11:02 AM

To: Khan, Faisal; 'SStenger@stlouisco.com'; Karen Nickel; Bill Otto; Page, Sam; Harvey Ferdman; Bond, Patrick (McCaskill); Hoskins, Jennifer (Blunt); Magallanes, Downey (Blunt); Meg B; Lois Gibbs

Subject: Historical Radiation exposure to residents and workers at West Lake

All,

Attached are documents I have compiled to make a case with ATSDR about **historical** exposure to the community and workers from West Lake Landfill. I have established that ALL methods of off site travel/exposure have occurred at one point of at this site. I think there has been a failure to properly characterize this site throughout the 40 years that the nuclear weapons waste has been present; I believe this

has led to multiple instances of unsafe exposure to radioactive material, both to landfill workers as well as to others off-site in this community (local businesses and residents). It's important to make sure that we document the dates of these occurrences and take them into consideration while deciding what to do with the 63043 and 63044 zip codes as far as the health survey and ATSDR are concerned.

Earth/Wind Exposure

The two documents attached to this email relate to the so-called Ford Property. Please read "Document 19.docx", specifically the last paragraph on page 3:

"Based on the potential for wind or precipitation runoff-induced erosion and transport of these soils, the Respondents through this work plan are proposing to conduct, subject to EPA approval, **a time-critical removal action to retrieve and relocate the soil piles to prevent potential off site transport.**"

This **time critical** removal action was **not allowed** by EPA!

In these documents you will read language like this repeatedly. It's important to point out that these "soil piles" are not reliably accounted for. Harvey Ferdman and I have both been on the back lot of the Ford Property, and as EPA states in one of these documents, the piles are no longer there. They were just sitting exposed at one time **without** any cover of vegetation on them. When you read about the grading process that took place, I think we can agree that a mode of transport and human exposure was created and existed for some time during this time frame, for several years.

Water Exposure

<https://dnr.mo.gov/env/wpp/tmdl/1706-coldwater-ck-tmdl.pdf>

On page 4 and 11 you will find wonderful maps of the Coldwater Creek Watershed. Please notice that the watershed includes multiple zip codes. As far as zip codes 63043 and 63044, one missing watershed from these maps is CowmireCreek. This creek appears to be fed by one of the storm watersheds or tributaries from Coldwater Creek. As you can see, it winds in and around Bridgeton and actually passes through the Northern boundary of BMAC. If you follow it Northwest you can see where it disappears underground and exits in **two** areas, not just one! As the site explains, Coldwater Creek frequently flows

backwards during times of heavy rains and flash floods. So too do these tributaries and storm watersheds. We know currently the creek is **STILL** contaminated and DHSS and DNR have asked that testing and clean up be expedited. What hasn't occurred is testing of these tributaries that currently have, and have had the ability to carry this waste into other zip codes including 63043 and 63044 for over **60 YEARS**.

FIRE Exposure

<http://www.dnr.mo.gov/env/swmp/facilities/BridgetonSanitaryLandfill-Background.htm>

This site as had TWO previous fires during the 1990's. Its important to point out that up until last year EPA believed radiation was limited in just the Northwest section in Area 1, not throughout the landfill. So during the time that the fire burned in 1994 there were no air tests done, and no radiation screening was performed because they didn't know radioactive material was in the area of the fire. It has recently been discovered, as a result of Republic doing GCPT testing to find a clean line for the proposed Isolation Barrier, that the **entire** Area 1 has been compromised with radioactive waste. As I mentioned on our phone call, [this DNR file](#) pertains to the two fires that occurred previously in Bridgeton/West lake. The MODNR has posted an actual map as well as links to all supporting documents in the link above. The 1994 "suspected" fire is in Area 1 right next to the road. According to these documents they saw smoke and investigated. It should also be mentioned that the waste in this area was thought to be demolition debris but has now been found in fact to be municipal solid waste. As far as the location of the other fire in 1992, we don't know if that area has been tested for radioactivity.

Last but not least, its important to understand that from July 31, 1973 until end of Oct. 1973 this waste was being dumped and called "clean fill dirt!" Then another three years went by and it wasn't until 1976 that people became aware of what was dumped at West Lake. So for three years this was treated as clean dirt and moved around on a daily basis. Duing these three years, both workers and residents would have been exposed to high levels of radioactivity .

Dates of exposure

July 31, 1973-Oct.1973 hauling and dumping

July 31,1973-1976 Everyday activities at the landfill/moving around dirt et.

1992-? Fire in area 1

Possibly in 1994-Fire Fire along quarry wall in the North Quarry

Between the summer of 1998- 2001 Ford Property grating activities that would have sent flying. Wind blowing and soil erosion from "soil piles"